



STDN DAILY REPORT
FOR GMT DAYS
16, 17, 18 AND 19 NOVEMBER 2000

Part I. Operations

16 NOVEMBER

A. SN Anomalies:

1. ERBS S/C Emergency 16/0221-2336Z

10 events were impacted due a to spacecraft problem. The POCC suspects the spacecraft is tumbling. A total of 1 hour 42 minutes 23 seconds data loss. Some of the data is recoverable. TTR # 23168

2. TERRA Support 16/1955-2006Z

The timeplex equipment at EOC was misconfigured for support which resulted in no forward data to the spacecraft. Station performed a forward failover from local interface 'D' to local interface 'B', forward data was established at 200556Z. TTR # 23169

275 SSAF2 1955-2010Z 10 mins 56 secs svc/data loss recoverable

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies: - None.

17 NOVEMBER

A. SN Anomalies:

1. ERBS S/C Emergency

17/0041-2341Z

ERBS Spacecraft emergency is still ongoing. The following events were impacted. TTR # 23170

171 SSAR2 0412-0432Z 01 minute 41 seconds data loss recoverable

TDE SSAF1 2020-2035Z 14 minutes 11 seconds data loss recoverable

TDW MAF 2311-2341Z 26 minutes 38 seconds data loss recoverable

2. C1313MS Supports

17/0428-1632Z

BRTS 1313 MA events on SGLT 2/TDRS-5 have had problems acquiring and have had intermittent lock at best. When the scheduled event acquired the Eb/No has been aprox. 4-6 db lower then is normally observed. This TTR is to document the anomaly, no data loss has occurred. All events were later recovered within the required window. TTR # 23172

B. ISS/ECOMM Anomalies - None.

C.GN Anomalies:

1. WGS/SEAWIFS Support

17/0502-0515Z

All tracking systems configured correctly however no downlink was detected. The station inserted a (plus or minus) 20 seconds time bias of with no effect. Suspect S/C anomaly. TTR # 23171 CDS ID# 17449

13 minutes service/data loss recoverable (unknown)

18 November

A. SN Anomalies:

1. ERBS S/C Emergency

18/0045-1838Z

Ten events were impacted due to an ongoing Spacecraft emergency. TTR # 23173

2. TOPEX Scheduling Error

18/1941-1951Z

The event was not in view of a scheduled TDRS-171 pass.
TTR # 23176

171 SSA1 1941-1951Z 10 minutes data loss.

3. FUSE Support

18/1720-2120Z

After 20 minutes into the SHO the POCC reported that the data halted and within seven minutes resumed. All indications at the ground terminal were nominal. During the second event data was not received, events were supported on PTP-2 board 2. WSC was locked solid on both events. Both events were reported nominal considering all activities were accomplished during the first 20 minutes. TTR # 23177

TDS SSA2 1720-1745Z 02 minutes service loss

TDS SSA2 2032-2120Z 28 minutes service loss

3 BRTS/C1313MS Support

18/0428-0432Z

BRTS C1313MS an ongoing failure to lock anomaly.
TTR # 23174

TDW MAR5 0428-0432Z no data loss declared

TDW MAR3 2042-2046Z no data loss declared

B. ISS/ECOMM Anomalies – None.

C.GN Anomalies:

1. WGS/ERBS Support

18/0501-0512Z

NCPS-1 and 2 did not indicate a "GO" for RF Status during the event. Results were no commands made it to the Spacecraft. The station switched to the backup exciter with same results. Tried both PA and by-pass mode without success. During trouble shooting post-pass, the problem cleared. Reason for problem is unknown. TTR # 23175 CDS ID# 17456

11 Minutes Service Loss Only

D. DELTA II/EO-1/SAC-C launch has been slipped due to a DELTA II avionics problem. The launch is rescheduled for 21 November 2000, DOY 326/18:24:21Z.

19 November

B. SN Anomalies:

1. C1313MS Support

19/0025-2100Z

BRTS 1313 MA events ongoing failure to lock anomaly. All events were recovered within the required window. TTR # 23178

TDW MAR 0025-2100Z No Data Loss Declared.

2. ERBS S/C Emergency

19/0240-2201Z

The following ERBS events were the Result of ERBS S/C Emergency 11 Events were supported by WSC with no Data Loss prior to termination of ERBS S/C Emergency. TTR # 23179

TDW MAR5 0239-0302Z 2 Min 14 Sec. Data Loss (Recov)

B. ISS/ECOMM Anomalies – None.

C. GN Anomalies - None.

D. Network Advisory Messages 494 and 495 were issued.

E. Earth Radiation Budget Satellite (ERBS) terminated their Spacecraft Emergency at 19/2201Z. The Mission Manager and the Flight Operations Team would like to thank the Space Network for their tremendous support during moment of crisis.

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes

C. GN Red Items:

**1. WPS 891: SBPA:01-X1, 6M Power Amp, R 11161430Z,
ETRO 11202359Z. Intermittent problem where unit uplink
drops in and out with uplink on.

Part IV. Scheduled Activities:

TERRA/ERPS Parallel Operations Test 20/1415-12/15/2400Z

H0218LS DELTA II EO-1/SAC-C TDRSS Launch Support
20/1154-1840Z

STS-97 Range Safety Verification 20/1330-1700Z

SN/Timed Spacecraft End to End Test 20/1600-1700Z

STS-97 OPS Training Exercise

20/1630-1900Z

STS Postlanding Command Configuration Checkout

20/2000-2300Z

Part V. Launch Forecast Changes:

* 1.) B0218LS (DELTA/EO-1/SAC-C) 326 21 NOV.,2000 T-0 =
1824Z